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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/052,465	01/23/2002	Toshihiko Yokoyama	02975.000015	6428
5514	7590 03/07/2005		EXAMINER	
FITZPATRICK CELLA HARPER & SCINTO			SHENG, TOM V	
30 ROCKEFELLER PLAZA NEW YORK, NY 10112			ART UNIT	PAPER NUMBER
			2673	

DATE MAILED: 03/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application No.	Applicant(s)	
	10/052,465	YOKOYAMA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Tom V Sheng	2673	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earmed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
 Responsive to communication(s) filed on 12 No. This action is FINAL. 2b) ∑ This Since this application is in condition for alloware closed in accordance with the practice under Exercise. 	action is non-final. nce except for formal matters, pro		
Disposition of Claims			
4) ☐ Claim(s) 1-6 and 8-12 is/are pending in the approach 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) 1-5,10 and 11 is/are allowed. 6) ☐ Claim(s) 6,8,9,12 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine	epted or b) objected to by the I drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive I (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s)			
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		

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DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 2. Claims 6, 8, 9 and 12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Regarding these claims, the disclosure, when filed, does not fairly contain information regarding the claimed features, "wherein the signal processing circuit corrects the image signal such that the brightness irregularity, which cannot be corrected by the gradient film, is reduced or cancelled", of independent claims 6 and 12. The disclosure, specifically the description on page 15, paragraph 58, cites "When gradient membranes used ... color unevenness cannot be completely corrected ... color unevenness correction processing must be electrically performed in the horizontal and vertical directions". That is, when color unevenness cannot be completely corrected, correction processing is needed. This does not read on or render obvious of correcting image signal such that brightness irregularity, which cannot be corrected by the gradient film, is reduced or cancelled (by correcting the image signal). Accordingly, the original

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disclosure does not fairly convey to one of ordinary skill in the art that the inventor(s) had in their possession the above underlined features.

Allowable Subject Matter

- 3. Claims 1-5 and 10-11 are allowed.
- 4. The following is a statement of reasons for the indication of allowable subject matter: none of the prior arts of record teaches, among other limitations, the specific limitations of "a color synthesizing optical element, comprising a dichroic film including a gradient film in which its thickness varies in a substantially horizontal direction ... " and "a signal processing circuit which corrects the image signal such that brightness irregularity in a substantially vertical direction of an image projected by the projection optical system is reduced or cancelled" of claim 1; "a color synthesizing optical element comprising a dichroic film including a gradient film in which its thickness varies in the first direction ..." and "a signal processing circuit which corrects the image signal such that brightness irregularity in the second direction of the image is reduced or cancelled" of claim 5; "a color synthesizing optical element, comprising a dichroic film including a gradient film in which its refractive index varies in a substantially horizontal direction ..." and "a signal processing circuit which corrects the image signal such that brightness irregularity in a substantially vertical direction of an image projected by the projection optical system is reduced or cancelled" of claim 10; and "a color synthesizing optical element comprising a dichroic film including a gradient film in which its refractive index varies in the first direction ..." and "a signal processing circuit which corrects the image

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signal such that brightness irregularity in the second direction of the image is reduced or cancelled" of claim 11. Claims 2-4 depend on claim 1.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tom V Sheng whose telephone number is (703) 305-6708. The examiner can normally be reached on 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on (703) 305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tom Sheng February 25, 2005

Amare Mengistu
Primary Examiner

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